



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL

FORM OGC-3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

☒ APPLICATION TO DRILL ☐ DEEPEN ☐ PLUG BACK ☐ FOR AN OIL WELL ☒ OR GAS WELL

NAME OF COMPANY OR OPERATOR Mr & Mrs. Eugene N. Lutes DATE 8/28/89
ADDRESS 21804 Cleveland CITY Belton STATE Mo. ZIP CODE 64612

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE LUTES WELL NUMBER LUTES #1 ELEVATION (GROUND) 988.0
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINE)

790 FT. FROM (S) SECTION LINE 291 FEET FROM (E) SECTION LINE
WELL LOCATION SECTION 10 TOWNSHIP 45 RANGE 33 COUNTY CASS

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 185 FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED — FOR WELL ON THE SAME LEASE _____ FEET

PROPOSED DEPTH 420 DRILLING CONTRACTOR, NAME AND ADDRESS YOUNG DRILLING CO. ROTARY OR CABLE TOOLS ROTARY APPROX. DATE WORK WILL START 3/1/90
NUMBER OF ACRES IN LEASE 20 NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 1
NUMBER OF ABANDONED WELLS ON LEASE 0

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?
NAME N/A NO. OF WELLS: PRODUCING 0
ADDRESS _____ INJECTION 0
INACTIVE 0
ABANDONED 0

STATUS OF BOND ☒ SINGLE WELL AMOUNT \$ _____ ☐ BLANKET BOND AMOUNT \$ _____ ☐ ON FILE ☒ ATTACHED

REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING ZONE AND EXPECTED NEW PRODUCING ZONE; USE BACK OF FORM IF NEEDED.)

N/A

PROPOSED CASING PROGRAM

AMOUNT	SIZE	WT/FT	CEM.
<u>150</u>	<u>6 5/8</u>	<u>13</u>	<u>yes</u>

APPROVED CASING — TO BE FILLED IN BY STATE GEOLOGIST

AMOUNT	SIZE	WT/FT	CEM.
<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>

I, the undersigned, state that I am the OWNER of the SAID PROPERTY (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE Eugene Lutes DATE 1/25/1990

PERMIT NUMBER 20514 ☒ DRILLER'S LOG REQUIRED ☒ E-LOGS REQUIRED IF RUN
APPROVAL DATE 4-2-90 ☒ CORE ANALYSIS REQUIRED IF RUN ☒ DRILL STEM TEST INFO REQUIRED IF RUN
APPROVED BY James Holly Williams ☐ SAMPLES REQUIRED ☒ SAMPLES NOT REQUIRED
☐ WATER SAMPLES REQUIRED AT _____

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NOTE ► THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION

MO Oil & Gas Council

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGICAL PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE.

I _____ of the _____ Company confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE _____ DATE _____



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
WELL LOCATION PLAT

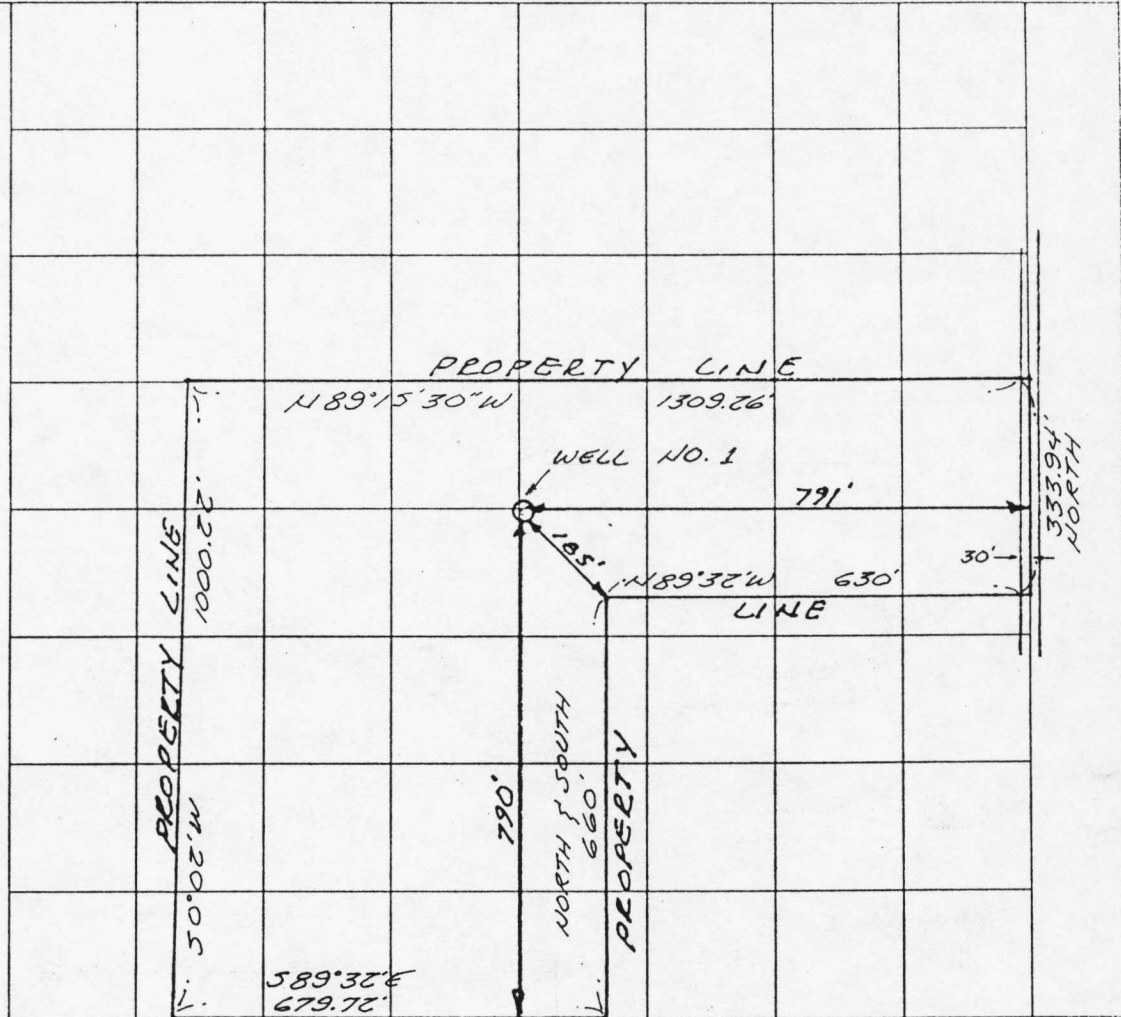
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FEB 08 1990

FORM O-001

OWNER EUGENE N. LUTES 21804 CLEVELAND, MO 64612 MO Oil & Gas Council
Economic Geology
LEASE NAME 7 LUTES COUNTY CASS
790 FEET FROM S SECTION LINE AND 791 FEET FROM E SECTION LINE OF SEC. 10, TWP 45 N, RANGE 33
(N) - (S) (E) - (W)



SCALE
1" = 300'

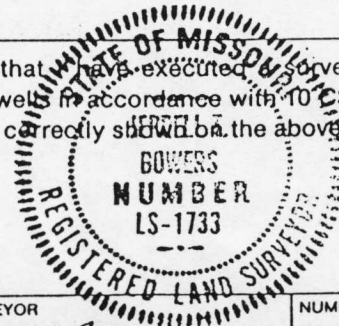


REMARKS
Legal Description: Lot 1, "McAninch's Subdivision", a subdivision
of land in Section 10, Township 45, Range 33 in Cass County, Missouri,
according to the recorded plat thereof.

INSTRUCTIONS

On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.

This is to Certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.



(SEAL)

REMIT TWO (2) COPIES TO:
MISSOURI OIL AND GAS COUNCIL
P.O. BOX 250, ROLLA, MO 65401

REGISTERED LAND SURVEYOR

Jerrell J. Bowers
1-23-90

NUMBER

1733

Well Reference Ties
Well No. 1

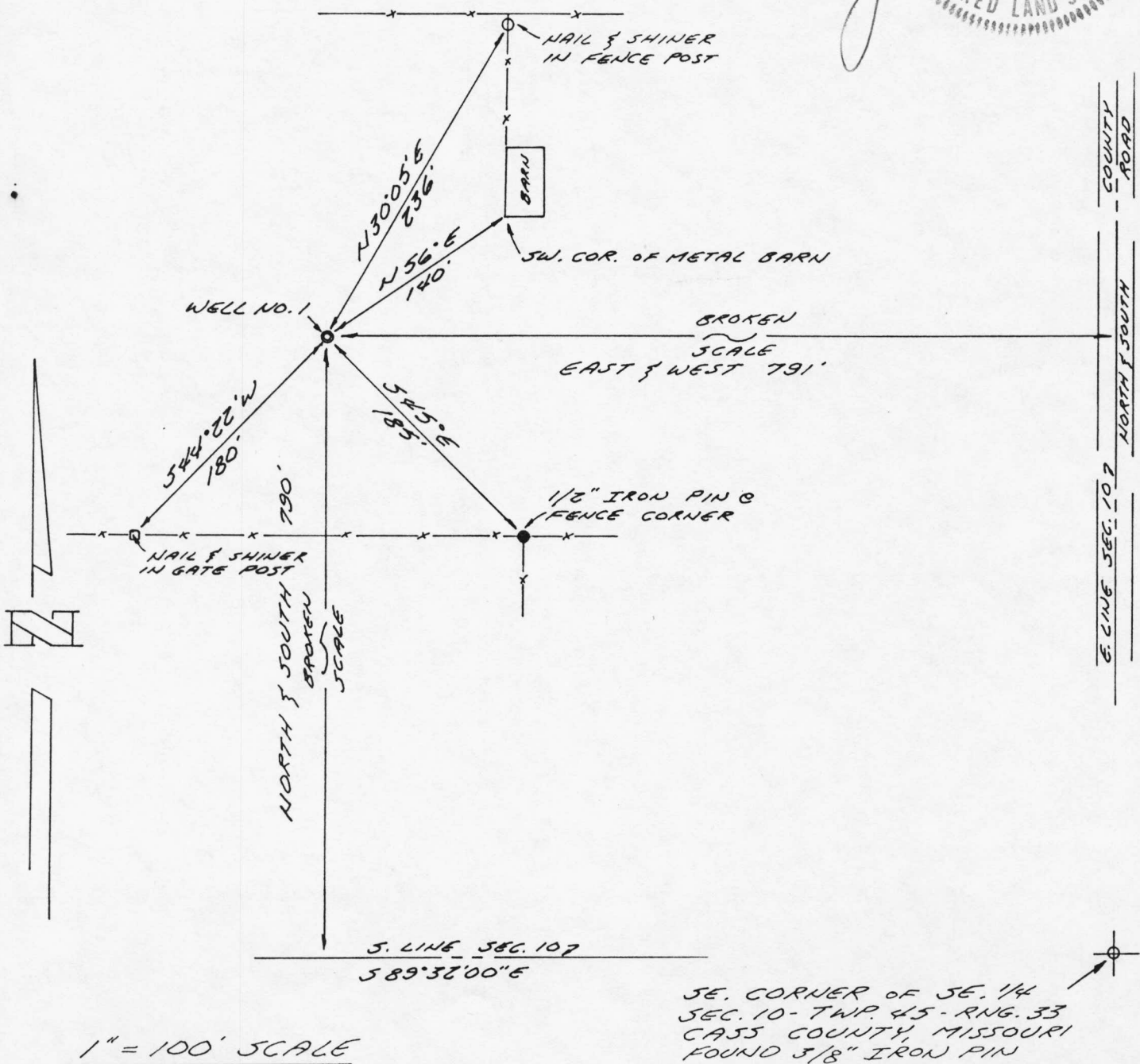
in
SE. 1/4 of Sec. 10, Twp. 45, Rng. 33
Cass County, Missouri

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MO Oil & Gas Council
Economic Geology

This is to certify that the reference ties shown herein are in accordance with the current minimum standards for property boundary surveys as established by the Missouri Department of Natural Resources.
10 CSR 30-2.010

Note: Bearings shown are based upon the recorded final plat of "McAninch's Subdivision" in Cass County, Missouri.



1-314-364-1752



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

Form OGC-5

☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ INJECTION ☐ SAME RESERVOIR ☐ DIFFERENT RESERVOIR ☐ OIL ☒ GAS ☐ DRY

OWNER EUGENE LUTES		ADDRESS 21804 CLEVELAND BELTON, MO 64012	
LEASE NAME LUTES		WELL NUMBER #1	
LOCATION BELTON, MO		SEC. TWP. AND RANGE OR BLOCK AND SURVEY SEC. 10 TWP. 45 RANGE. 33	
COUNTY CASS	PERMIT NUMBER (OGC-3 OR OGC-31) 20514		
DATE SPUDDED 2/9/90	DATE TOTAL DEPTH REACHED 2/18/90	DATE COMPLETED READY TO PRODUCE OR INJECT 3/3/90	ELEVATION (DF, RKR, RT, OR Gr.) FEET 975
TOTAL DEPTH 435	PLUG BACK TOTAL DEPTH	ELEVATION OF CASING HD. FLANGE 977	FEET
PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION 356' - 358'		ROTARY TOOLS USED (INTERVAL) 0 TO 435'	CABLE TOOLS USED (INTERVAL) NONE
DRILLING FLUID USED WATER	WAS THIS WELL DIRECTIONALLY DRILLED? NO		DATE FILED
WAS DIRECTIONAL SURVEY MADE? NO		WAS COPY OF DIRECTIONAL SURVEY FILED? NO	DATE FILED
TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST) NONE			DATE FILED

CASING RECORD

CASING (REPORT ALL STRINGS SET IN WELL - CONDUCTOR, SURFACE, INTERMEDIATE, PRODUCING, ETC.)

PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
SURFACE STRING	9 7/8"	6" WALL HEAVY	11	0' - 161	41	NONE
LINER	6 1/8" FROM 0 - 161'	4" PVC SCH-40			NONE	NONE

TUBING RECORD**LINER RECORD**

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
IN.	FEET	FEET	INCH	FEET	FEET	FEET	FEET

PERFORATION RECORD**ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD**

NUMBER PER FEET	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
100'	DRILLED HOLES	435 TO 335	NONE	NONE

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION 4/3/90		PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING — IF PUMPING, SHOW SIZE AND TYPE OF PUMP.) FLOWING 85000 CFH					
DATE OF TEST 3/3/90	HOURS TESTED	CHOKE SIZE 1"	OIL PRODUCED DURING TEST 0 bbls.	GAS PRODUCED DURING TEST 85000 MCF	WATER PRODUCED DURING TEST 0 bbls.	OIL GRAVITY N/A API (CORR.)	
TUBING PRESSURE 90#	CASING PRESSURE 90#	CALC'D RATE OF PRODUCTION PER 24 HOURS 85000		OIL 0 bbls.	GAS 85 MCF	WATER 0 bbls.	GAS OIL RATIO N/A

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD)

USED FOR FUEL

METHOD OF DISPOSAL OF MUD PIT CONTENTS

SLUSH PITS

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CERTIFICATE: I, THE UNDERSIGNED, STATE THAT I AM THE **SALES ENGR.** OF THE **FE YOUNG DRILLING CO., INC.** COMPANY, AND THAT I AM AUTHORIZED BY SAID COMPANY TO MAKE THIS REPORT, AND THAT THIS REPORT WAS PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT THE FACTS STATED THEREIN ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE 4/3/90	SIGNATURE Reed L. Young
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INSTRUCTIONS: ATTACH DRILLERS LOG OR OTHER ACCEPTABLE LOG OF WELL.

* SHOW ALL IMPORTANT ZONES OF POROSITY, DETAIL OF ALL CORES, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES.

DETAIL OF FORMATIONS PENETRATED

FORMATION	TOP	BOTTOM	DESCRIPTION (SEE * ABOVE)
SURFACE	0	1	
WET CLAY	2	6	SANDSTONE (BROWN)
SANDY CLAY	6	9	(GAS) 356-358
SANDSTONE (YELLOW)	9	21	SHALE BLACK 358-362
SHALE	21	26	LIME 362-366
LIME	26	30	SHALE 366-371
SHALE	30	33	SHALE (BLACK) 371-372
LIME	33	43	SHALE 372-394
SHALE	43	55	SHALE (BLACK) 394-397
LIME	55	57	SHALE GREEN 397-417
SHALE	57	61	SHALE (RED) 417-418
LIME	61	64	SHALE 418-422
SHALE	64	70	SANDSTONE (BROWN) 422-423
LIME	70	84	SHALE GREEN 423-435 T.D.
SHALE (BLACK)	84	91	
LIME	91	110	
SHALE	110	113	
BLACK			
LIME	113	115	
SHALE	115	117	
LIME	117	127	
SHALE	127	145	
SANDY SHALE	145	150	
SHALE	150	180	
DK SANDY	180	210	
SHALE			
SHALE	210	230	
SANDSTONE	230	255	
SHALE	255	275	
SHALE DARK	275	310	
LIME	310	313	
SHALE	313	322	
SHALE BLK	322	324	
SHALE	324	328	
LIME	328	336	
SHALE	336	353	
LIME	353	355	
SHALE	355	356	

* NOTE: 437' of 4" PVC SET AS LINER FOR PUMP WHICH IS INSTALLED ON 1" RISER PIPE